BRUHATH BANGALURU MAHANAGARA PALIKE
YELAHANKA ZONE

Name of the work : Annual Maintenance to al installation of BBMP Buildings coming Undr Byatrayanapura constituency in Ward no 5 to 11.

Budget Head .....P0294.....

Division No..... Estimate No.....09/16-17 For Rs. **200000.00**

Sl No	Description	Unit	Qty	Rate	Amount
1 18/3.15.A	Supplying and fixing/replacing of 6/16/32Amps electrical accessories on existing switch board. GROUP A				
2 18/3.15..1	6Amps SP Switch	Nos	80	35.00	2800.00
3 18/3.15..4	6Amps 3 way 5 pin Socket	Nos	27	53.00	1431.00
4 18/3.15.9	16 Amps SP switch	No	15	89.00	1335.00
5 18/3.15.10	16 Amps 3 way 5 pin socket	No	15	94.00	1410.00
6 18/3.15.25	32 Amps Bakelite DP	No	10	156.00	1560.00
7 18/3.15.26	16/6 Amps combined plug and socket wit control switch	No	10	268.00	2680.00
8 78/9.4.2	Supplying wall mounting fan suitable to operate at single-phase 230v A.C. supply.400mm Sweep	Each	4	2534.00	10136.00
9 78/9.3.1.1	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system. 48" Sweep (1200mm)Regular model	Each	6	2376.00	14256.00
10 31/4.38.38	Supply of 230 V CFL Lamp Holder 2 pin	No	19	55.00	1045.00

11 5/2.1.3	Point wiring using Copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm Cable confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. GROUP A Long point above 6Mtr upto 10Mtr from tapping point to out let via switch	Mtr	15	363.00	5445.00
12 6/2.6.1	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper conductor single core wire in open or concealed system of wiring as per IS-694:1990 & confirming to GTP of GROUP -A.1.5 sqmm	Rmt	300	18.60	5580.00
	4)4 sqmm	P/Mtr	200	42.70	8540.00
13 29/4.3 8.5	2'/4' - 36/40 Watts Fluorescent Tubes: Supplying and fixing of 36W Fluorescent Tube with 36W power consumption with initial lumen of 2750 (3000 deg K / 4000 deg K) with rated avg life of greater than 10000 hrs.	No	100	48.00	4800.00
14 29/4.3 8.10	Supplying and fixing of 20/40 Watts heavy duty open construction Ferromagnetic copper ballast for fluorescent tubes : Supplying and fixing of 20/40 Watts heavy duty open construction Ferromagnetic copper ballast for fluorescent tubes, Class H Insulated copper wire, Vacuum impregnated high quality with Low loss silicon steel lamination operated on 240V,50Hz supply with IEC 60920 (Safety) & IEC 60921(Performance)	No	25	377.00	9425.00
15 31/4.3 8.36	Supply of 230 Volts 20/40 watts starter for Fluorescent Lamp	No	50	21.00	1050.00
16 30/4.3 8.18	Supplying of of 2 pin/4 pin 18W CFL Lamp	No	25	120.00	3000.00
17 31/4.3 8.33.1	Condenser for ceiling fan/MV/SV/MH and other luminaires Upto 4 mfd	No	25	77.00	1925.00
18 31/4.3 8.33.2	Upto 8 mfd	No	10	102.00	1020.00
19 3.7.4	Stepped Fan Regulator.	Each	25	286.00	7150.00
20 25/4.2 9.2	LED Indoor Supplying of 4' feet - LED PVC Square Batten ..W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50Hz & Power factor >0.9 along with CE approved drivers. 5 years Warranty against any manufacturing defect working under standard electrical conditionLED light fighting 4' - 28 watts	Nos	20	1774.00	35480.00

21 46/6.1 3A.2	Supplying and fixing Moulded Case Circuit Breaker (MCCB) Over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of overload and short circuit with thermal Magnetic/Micro processed release and Earth Fault as per IS-13947. (Icu=Ics). FOUR POLE 6) 125-160Amps 25kA.	Each	2	5406.00	10812.00
22 1.8.2	Supplying and fixing of PVC casing and capping on the wall or ceiling using necessary materials like bends, screws at an interval of 300mm .... etc. as required.25mm	Mtr	100	26.00	2600.00
23 17/3.9	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches, regulators etc., and fixing on existing wooden or metal box using N.F. screws.	Sq CM	3000	0.25	750.00
24 17/3.1 3.1	Supplying....way plastic gang box and fixing using necessary wooden/ rawl/phill plugs and screws.1 way gang box	Each	10	16.00	160.00
	2 to 4 way gang box	Each	10	29.00	290.00
25 47/6.1 6	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and Complete wiring as required confirming IEC 60898. 6) 40-63 Amps SP	Each	9	677.00	6093.00
	6) 5-32Amps DP		8	849.00	6792.00
	6) 40-63 Amps TPN	Each	4	1936.00	7744.00
26 35/17. 7.1	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps.On wall / ceiling / Rafter / Girders	Each	30	98.00	2940.00
27 35/17. 8	Fixing a ceiling / Wall mounting fan of all capacities and all types to the existing 'S' hook with fan regulator to the existing board together with supplying and fixing 5 amps. ceiling rose, necessary length of 23 / 0.0076 inch PVC insulated twin twisted copper wire and wiring.	Each	10	139.00	1390.00
28 104/16 .2	Supplying and fixing one of 230 volts Ding dong bell and a flush type bell push with gang box fixed on necessary wooden or rawl plugs using NF screws	Each			0.00
29 16.2.1	Ding Dong Bell	Each	4	200.00	800.00
30 16.2.2	Musical	Each	2	358.00	716.00
31 16.2.3	Remote	Each	4	940.00	3760.00
32 55/7.4. 5	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.4 core 16 sqmm	Mtrs	50.00	140.40	7020.00

33 56/7.8.6	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.On wall /Structure25 sqmm to 75 sqmm	Mtrs	50.00	34.80	1740.00
3462/7.9	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7)In soil (ordinary)	Mtrs	40.00	78.00	3120.00
35 36/16.4	Rewinding a ... mm ceiling fan/after using necessary gauge annealed and insulated copper wire with necessary insulating, separators vibration arresting shellac, etc including replacement of bearings if any transportation to and from the spot to workshop inclusive of releasing the refixing.1200MM	Each	7	630.00	4410.00
36 25/4.3.1	Supply of recess mounted rolling type LED square or round Down light 12 watts with 4/6W GU 10 LED Lamp Rib Fabricated from Die cast aluminum with white powder coated prewired to mains connector with suitable driver & having swiveling unit of aluminum die cast eye ball & LED Lamp position retained by circular wire spring. 5 years Warranty against any manufacturing defect working under standard electrical condition.	No	10	1868.00	18680.00
37	Misscellenious charges	L/S			115.00
TOTAL					**200000.00**

CERTIFICATE

CERTIFICATE

1. The Place was inspected and work is essential.
2. The Provision made in the estimate is adequate and are necessary.
3. The Work comes in the BBMP limit and is legitimate charges on the Corporation Funds.
4. The rates in the Estimate is based on PWD (Elec) SR of 2014-15 .

Jr/Asst. Engineer (Elec)

Asst. Exe.Engineer (Elec)
yelhanka zone
Bruhat Bangalore Mahanagara Palik

EXECUTIVE ENGINEER (ELEC)
Y ELHANKA ZONE
BRUHAT BANGALORE MAHANAGARA PALIKE

Administrative Sanction for Rs. 2.00 Lakhs
Two Lakhs only
is accorded under the P.O29H. m&R to ele Installation in BBMP. Building
Registered as EE No. EE/ELE/V2/03/16-17 subject to conditions contained in enclosed memo dt= 20-2-17
No. PWD= 50251 / 2.00 Lakhs

Executive Engineer

TECHNICALLY SANCTIONED FOR Rs. 2.00 Lakhs
Rupees Two lakhs only
Under P.O29H. m&R to Electrical Instln. BBMP Building.
Registered as EE ( ) No. EE/ELE/V2/OH/16-179
Subject to conditions contained in
enclosed memo EE ( ) No. EE/03/16-17
Dt. 20-2-17 Estimate A/ Sanctioned
PWD= 72873 No.
Dated 20-2-17 Rs. 2.00 Lakhs

Executive Engineer